

In the Claims

- 1 1. (currently amended) A method for ordering multimedia content,
2 comprising the steps of:
3 segmenting the multimedia content to extract objects;
4 extracting and associating features of the objects to produce content
5 entities, wherein the content entities are recursive data structures comprising
6 features, relations, directed acyclic graphs and containment sets;
7 coding the content entities to produce directed acyclic graphs of the
8 content entities, each directed acyclic graph representing a particular
9 interpretation of the multimedia content;
10 measuring attributes of each content entity; and
11 assigning the measured attributes to each corresponding content entity
12 in the directed acyclic graphs to rank order the multimedia content.
- 1 2. (original) The method of claim 1 wherein the measured attributes include
2 intensity attributes.
- 1 3. (original) The method of claim 1 wherein the measured attributes include
2 direction attributes.
- 1 4. (original) The method of claim 1 wherein the measured attributes include
2 spatial attributes.
- 1 5. (original) The method of claim 1 wherein the measured attributes include
2 temporal attributes.

1 6. (original) The method of claim 1 wherein the measured attributes are
2 arranged in an increasing rank order.

1 7. (original) The method of claim 1 wherein the measured attributes are
2 arranged in an decreasing rank order.

1 8. (original) The method of claim 1 further comprising the step of:
2 traversing the multimedia content according to the directed acyclic
3 graph and the measured attributes assigned to the content entities.

1 9. (original) The method of claim 1 further comprising the step of:
2 summarizing the multimedia content according to the directed acyclic
3 graph and the measured attributes assigned to the content entities.

1 10. (original) The method of claim 1 wherein the multimedia content is a
2 three dimensional video sequence.

3 11. (original) The method of claim 1 wherein nodes of the directed acyclic
4 graphs represent the content entities and edges represent breaks in the
5 segmentation, and the measured attributes are associated with the
6 corresponding edges.

1 12. (original) The method of claim 8 wherein at least one secondary content
2 entity is associated with a particular content entity, and wherein the
3 secondary content entity is selected during the traversing.

- 1 13. (original) The method of claim 9 wherein a summary of the multimedia
- 2 is a selected permutation of the content entities according to the associated
- 3 ranks.